

CLAIMS

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What is claimed is:

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1. A bandpass filter, comprising an inductor having a core that consists essentially of an Fe-base amorphous metal alloy.

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2. A bandpass filter as recited by claim 1, wherein said core has a substantially constant permeability over a frequency range of approximately 1 to 1000 kHz.

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3. A bandpass filter as recited by claim 1, wherein said core has a substantially constant permeability.

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A bandpass filter as recited by claim 3, wherein said substantially constant permeability exists for a field strength range of approximately -15 to +15 Oe.

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5.

An inductor comprising a core that consists essentially of an Fe-base amorphous metal alloy, and has a substantially constant permeability over a frequency range of approximately 1 to 1000 KHz.

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An inductor as recited by claim 5, wherein said core permeability is substantially constant.

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An inductor as recited by claim 5, wherein said substantially constant permeability is extant over a field strength range of approximately -15 to +15 Oe.

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In a method for limiting frequency communications, the improvement wherein there is utilized an inductor having a core consisting essentially of an Fe-base amorphous metal alloy.

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9.

A method as recited by claim 8, wherein said core has a substantially constant permeability.

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A method as recited by claim 9, wherein said substantially constant permeability is extant over a frequency range of approximately 1 to 1000kHz.

11.

A method as recited by claim 10, wherein said core permeability is substantially constant over a magnetic field strength range of approximately -15 to +15 Oe.

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